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The specific complaint codes were not included in above weighing. No quantity of the LU14WD code turned up in Ilion inventory or Lonoke or Bridgeport warehouse. 151,000 rounds of FLT24DD and FLT25DD codes in Lonoke warehouse had already been salvage weighed for no-powder defects following holdup initiated by Lonoke at time of loading.

#### 243 WIN

Holdup of 243 Win was based on Ilion experience with "squib loads" and "bullets-lodged-in-barrel" during gallery testing of guns using codes LW21UD and LW23UD loaded on Duplex loader in March, 1972. 83

Subsequent weighing of remaining product in these codes returned by Ilion and also found in Lonoke warehouse confirmed the presence of partial charges. Findings from 100 percent salvage weighing of all suspect codes and audit weighing of codes representing other manufacturing periods is tabulated on separate pages attached. A total of 634,000 rounds was salvage or audit weighed in disposing of this holdup.

It is evident from the attached summary that defective product was produced in April and October as well as March of 1972. Lonoke also experienced powder charging difficulties with this cartridge during January, February, and March of 1973. All product produced during this latter period was 100% weighed, however, before packing to warehouse.

The 243 Win presents a special problem from the standpoint of powder charging on the Duplex loaders. It is a small caliber shell; the powder grains are very long and slender; and the nominal weight (volume) of charge is very high. These factors tend to cause powder to bridge thereby creating the potential for partial charge defects. A premium is placed on the need for reliable functioning of the powder detect system. Unfortunately, no relief in the way of a more suitable substitute powder is immediately available, although efforts to obtain such a powder continue.

In recent months a great many changes and improvements have been made in both the mechanical and electrical elements of the powder detection system to increase reliability. Still additional planned changes have yet to be implemented. Also, operating procedures have been reviewed